

INTERVAL SHEET

WWCR 151

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VDMR Well No: Well No. 1418

Date 11/19/65

Sample Interval: from 0 to 500

PROP: American Tel. & Tel.

Total Depth 500

Company - Well #2

COMP: Falwell Well Corp.

Oil Gas Water Exploratory

COUNTY: Chesterfield (Skinquarter)

Cuttings Core Other

VDMR Well No: W-1418

Washed samples

From-To	From-To	From-To	From-To	From-To
-	-	0 - 10	300 - 310	-
-	-	10 - 20	310 - 320	-
-	-	20 - 30	320 - 330	-
-	-	30 - 40	330 - 340	-
-	-	40 - 50	340 - 350	-
-	-	50 - 60	350 - 360	-
-	-	60 - 70	360 - 370	-
-	-	70 - 80	370 - 380	-
-	-	80 - 90	380 - 390	-
-	-	90 - 100	390 - 400	-
-	-	100 - 110	400 - 410	-
-	-	110 - 120	410 - 420	-
-	-	120 - 130	420 - 430	-
-	-	130 - 140	430 - 440	-
-	-	140 - 150	440 - 450	-
-	-	150 - 160	450 - 460	-
-	-	160 - 170	460 - 470	-
-	-	170 - 180	470 - 480	-
-	-	180 - 190	480 - 490	-
-	-	190 - 200	490 - 500	-
-	-	200 - 210	-	-
-	-	210 - 220	-	-
-	-	220 - 230	-	-
-	-	230 - 240	-	-
-	-	240 - 250	-	-
-	-	250 - 260	-	-
-	-	260 - 270	-	-
-	-	270 - 280	-	-
-	-	280 - 290	-	-
-	-	290 - 300	-	-

OWNER: American Telephone & Telegraph Co., Well #2
(Geraghty and Miller, Contractors)

VDMR #1418
WWCR #151

DRILLER: Falwell Well Corporation

TOTAL DEPTH: 500'

COUNTY: Chesterfield (Skinquarter)

GEOLOGIC LOG

Residuum (0-50')

- | | |
|-------|--|
| 0-10 | Residuum — light pink and white, sand and pebbles of quartz, feldspar, granite; minor mica and kaolin. |
| 10-20 | As above. |
| 20-30 | As above. |
| 30-40 | As above — trace amygdaloidal felsite fragments. |
| 40-50 | As above. |

Otterdale Sandstone, Newark Group (50-500')

- | | |
|---------|--|
| 50-60 | Arkose — pink, medium-sand and pebble, porous, poorly indurated feldspar, quartz, mica, epidote, granite, and quartzite. |
| 60-70 | As above — minor red-brown shaly arkose. |
| 70-80 | As above. |
| 80-90 | As above — less shaly arkose. |
| 90-100 | As above — more shaly arkose. |
| 100-110 | Arkose — pink and white minor brick-red; medium-sand to pebbles; quartz, feldspar, mica, epidote, granite, and quartzite; brick-red arkose is argillaceous, grains are granule size or less, porous, poorly indurated. |
| 110-120 | As above. |
| 120-130 | As above. |
| 130-140 | As above. |
| 140-150 | As above. |
| 150-160 | As above. |
| 160-170 | As above. |
| 170-180 | As above. |
| 180-190 | As above. |
| 190-200 | As above. |

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- 200-210 Arkose — trace of blue stain, pink and white minor brick-red; medium-sand to pebbles; quartz, feldspar, mica, epidote, granite, and quartzite; brick-red arkose is argillaceous, grains are granule size or less, porous, poorly indurated.
- 210-220 Arkose — pink, white, and red-brown, clay sand and pebbles; porous, poorly indurated, quartz, feldspar, granite, clay and iron oxides, part of the darker material is shaly.
- 220-230 As above.
- 230-240 As above — less red-brown shaly material, trace chloritic shaly siltstone.
- 240-250 As above — with minor red-brown shaly arkose.
- 250-260 As above.
- 260-270 As above — much of the pale-green is a fine-sand-size arkose.
- 270-280 As above — more red-brown arkose.
- 280-290 As above — less red-brown arkose.
- 290-300 As above — more red-brown arkose.
- 300-310 As above.
- 310-320 As above.
- 320-330 Sand, Arkose, and Shaly Arkose — pale-pink to red-brown, clay to pebble-size-grains, poorly indurated, porous; quartz feldspar, epidote, mica, granite, clay, calcite, and iron oxides; finer grained material is darker.
- 330-340 As above — more loose fine to medium, quartz sand.
- 340-350 As above.
- 350-360 As above — less loose quartz sand, more red-brown shaly siltstone.
- 360-370 As above.
- 370-380 As above — medium- to coarse; quartz sand.
- 380-390 Arkose — pale-pink to medium-brown, medium-sand to pebbly, poorly indurated; red-brown portion often shaly.
- 390-400 As above.

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- 400-410 Ferruginous Shale — red-brown, slightly fissile, silty and micaceous; trace arkose as above.
- 410-420 As above — more silty.
- 420-430 Arkose — dirty-pink and red-brown, fine-sand to granules; poorly indurated; feldspar, quartz, mica, epidote; darker portion argillaceous, micaceous, and in part shaly.
- 430-440 As above — more red-brown.
- 440-450 As above.
- 450-460 As above — less red-brown, less well indurated.
- 460-470 As above — more red-brown.
- 470-480 As above.
- 480-490 As above — more shaly.
- 490-500 As above — less shaly.

GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>TIME ROCK UNIT</u>
0-50	Residuum	Recent
50-500	Otterdale Sandstone (Newark Group)	Triassic

Virginia Division of Mineral Resources
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